

The Northern Ontario School of Medicine (NOSM) Medical Physics Residency Education Program (MPREP) has two openings, starting October 2019, for Medical Physics Residents specializing in the field of Radiation Oncology. The positions are offered by Health Sciences North (HSN) in Sudbury and the Thunder Bay Regional Health Sciences Centre (TBRHSC). A unique aspect of this CAMPEP accredited program is that it is comprised of two geographically separated campuses. Residents will be interacting with faculty located at both campuses and will have opportunity to visit and experience both sites. The regional cancer treatment program at HSN has six medical linear accelerators (3 Varian Clinac iX, 1 Varian TrueBeam, 2 Elekta Infinity), an orthovoltage (Gulmay), a high dose rate brachytherapy unit (Elekta), a radioactive seed implant suite, and two CT simulators (GE Medical Systems). One of the medical linear accelerators (Clinac iX) is located off site at the Sault Area Hospital. The regional cancer treatment program at the TBRHSC operates two medical linear accelerators (2 Elekta Infinity), a high dose rate brachytherapy unit (Elekta Flexitron), a large bore CTsimulator (Siemens Somatom AS) and a PET/CT simulator (Philips Gemini TF). In combination the two clinical programs provide image guided radiation therapy, intensity modulated radiation therapy, volumetric modulated arc therapy, stereotactic ablative radiation therapy, and high dose rate and permanent implant brachytherapy.

Successful applicants will enrol in a two year training program addressing all aspects of clinical radiation oncology physics. The major sections of the training curriculum include evaluation of radiation treatment equipment performance, equipment calibration, radiation treatment planning and delivery, radiation safety, and radiation oncology informatics. In addition, residents are expected to participate in clinically oriented research and to be actively involved in teaching. At the completion of the program the resident will have acquired the knowledge and experience necessary to become eligible for professional certification examination in clinical radiation oncology physics.

The minimum entry requirement is a M.Sc. in Medical Physics with preference given to candidates with a Ph.D. in Physics, or a related subject. Completion of a graduate or certificate program accredited by the Commission on the Accreditation of Medical Physics Educational Programs, Inc., (CAMPEP) is considered a significant asset. Candidates should also have excellent verbal and written communication skills. Demonstrated ability to conduct research and to work in a multi-disciplinary team is also an asset. The candidate must be eligible for employment in Canada.

Interested candidates are encouraged to visit <a href="https://nosm.ca/mprep/">https://nosm.ca/mprep/</a> for more information on the program and, in particular, to review the *For Applicants* section for details regarding the application requirements.

Electronic submissions are preferred and applications should be directed to:

Dr. Peter L. McGhee Program Director Medical Physics Residency Education Program Northern Ontario School of Medicine Thunder Bay Regional Health Sciences Centre 980 Oliver Road Thunder Bay, Ontario Canada P7B 6V4

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The Residency Program offers a competitive salary and benefits package in accordance with the collective agreement of the Professional Institute of the Public Service of Canada (PIPSC).

POSTING DATE: WEDNESDAY, JUNE 19, 2019.

APPLICATION DEADLINE: WEDNESDAY, JULY 10, 2019.